Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/07/2018 10:25 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/31/2018 01:04 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124004	-1	2.02	124054	1.99
Blue	F	SSC	125000	124368	-1	3.83	125204	3.79
Blue	E	FITC	15492	15215	-2	3.70	351	21.09
Blue	D	PE	28736	28166	-2	3.00	622	15.87
Blue	B	PerCP-Cy5-5	41413	41570	0	4.78	1137	22.51
Blue	A	PE-Cy7	31321	31372	0	7.14	572	47.46
Red	C	APC	41673	41100	-2	3.01	1584	13.54
Red	A	APC-Cy7	29962	29368	-2	3.05	736	14.19
Violet	B	V450	8318	7955	-5	4.54	439	14.24
Violet	A	V500	34199	33401	-3	4.27	802	11.40

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20205	3.21	604	-9	N/A	N/A	Pass
Blue	F	SSC	56286	3.16	573	5	N/A	N/A	Pass
Blue	E	FITC	59	72.23	555	-6	0.0177	194	Pass
Blue	D	PE	124	57.86	554	-6	0.1544	367	Pass
Blue	B	PerCP-Cy5-5	210	55.46	661	-6	0.0078	76	Pass
Blue	A	PE-Cy7	112	118.21	716	-6	0.0091	25	Pass
Red	C	APC	362	29.35	604	3	0.0189	161	Pass
Red	A	APC-Cy7	183	32.40	579	3	0.0046	1357	Pass
Violet	B	V450	64	71.66	476	-1	0.0542	3050	Pass
Violet	A	V500	113	39.54	494	0	0.0192	1041	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.44	-32.16	1.08
Blue	20.36	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.51
Red	16.28	13.60 - 20.40	N/A	N/A	29.66	29.78	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 10793

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments